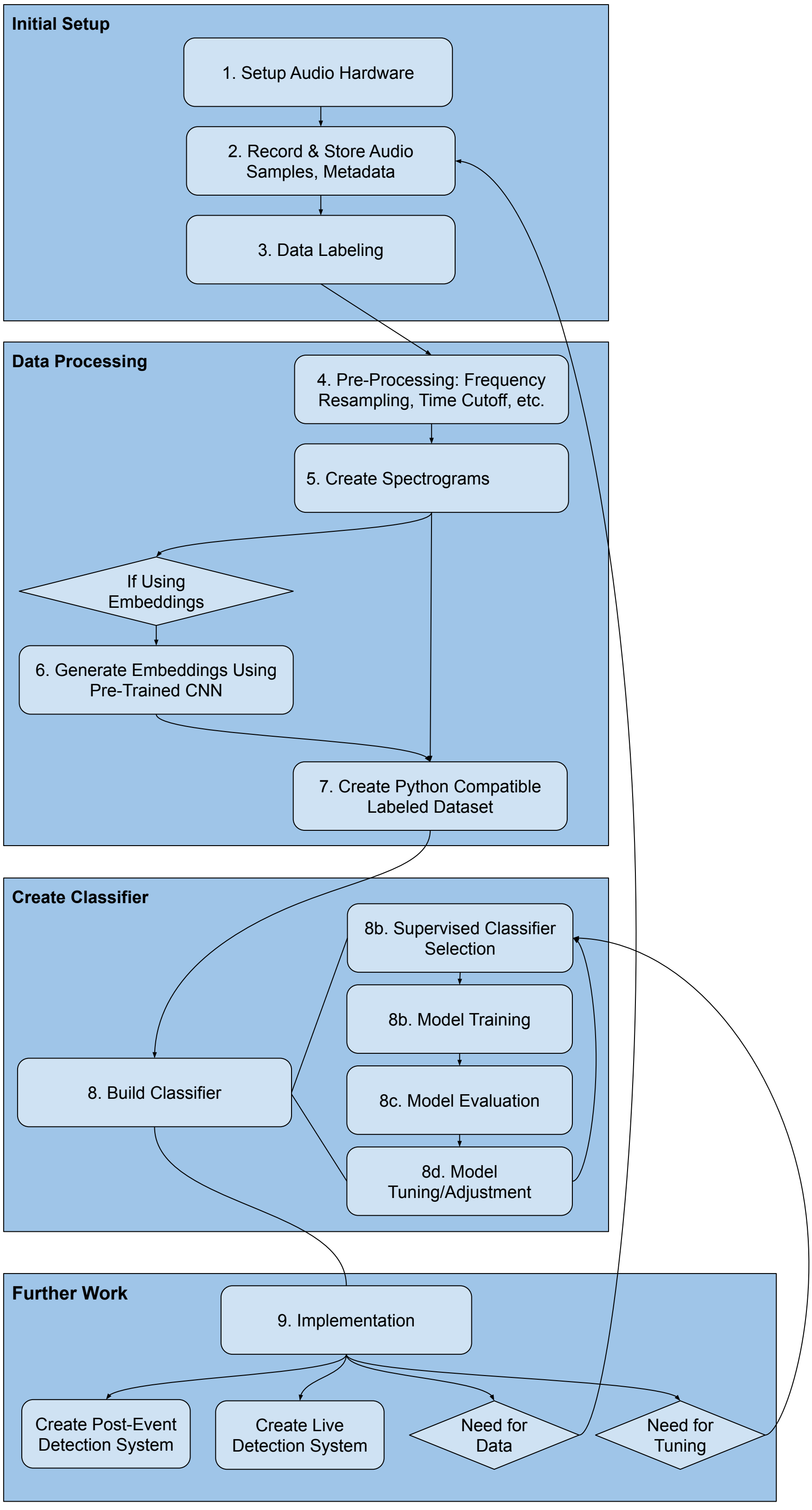
Initial Setup
1. Setup Audio Hardware
2. Record & Store Audio Samples, Metadata
3. Data Labeling
Data Processing
4. Pre-Processing: Frequency Resampling, Time Cutoff, etc.
5. Create Spectrograms
If Using Embeddings
6. Generate Embeddings Using Pre-Trained CNN
7. Create Python Compatible Labeled Dataset
Create Classifier
8b. Supervised Classifier Selection
8b. Model Training
8. Build Classifier
8c. Model Evaluation
8d. Model Tuning/Adjustment
Further Work
9. Implementation
Create Post-Event Detection System
Create Live Detection System
Need for Data
Need for Tuning